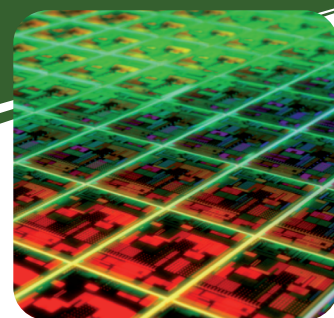


# Vento

MOPA sub-ns lasers



## Features

Down to 300 ps

up to 100 W @ 1064 nm

up to 50 W @ 532 nm

up to 200 kHz

industrial and MIL - grade design

air-cooled and liquid-cooled versions

## Applications

Micromachining

Thin film removal

LIDAR and Bathymetry

Non-linear spectroscopy

Harmonic and parametric generation

# Vento

## MOPA sub-ns lasers

The new Vento series operates in the hundreds of ps range and with average power up to **50W @ 532 nm** and up to **100W @ 1064 nm**.

The possibility to choose air-cooled or water-cooled layouts (for some versions) and **industrial** or **IP65** packages allows these products to comply with a variety of environmental requirements, from MIL-type temperature ranges and vibrations, to clean laboratories as well as industrial production sites. Ideal for micromachining, fine cutting machines and powerful LIDAR sensors, all the models are enclosed in an extremely compact and ruggedized single units.



	Vento models					
	Vento 1064			Vento 532		
<b>Average Power</b>	15 W	40 W	100 W	5 W	15 W	50 W
<b>Max Pulse Energy</b>	400 $\mu$ J	1 mJ	> 2.5 mJ	200 $\mu$ J	500 mJ	> 1.5 mJ
<b>Q-Switch Rep. Rate</b>	25 to 100kHz (option: extended frequency range up to 200 kHz)			25 to 100kHz (option: extended frequency range up to 200 kHz)		
<b>Pulsewidth</b>	400 to 900 ps			350 to 850 ps		
<b>Polarization</b>	Linear 100:1 (option: circular polarization)			Linear 100:1 (option: circular polarization)		
<b>Beam quality (<math>M^2</math>)</b>	< 1.5		< 2.5	< 1.5		< 2.5
<b>Cooling</b>	Air	Liquid		Air	Liquid	
<b>Laser design</b>	Industrial (option: IP65 or MIL-grade)			Industrial (option: IP65 or MIL-grade)		
<b>DC IN Voltage</b>	24 - 28 V			24 - 28 V		



### OPTIONS AVAILABLE:

- Beam expanding and collimating optics
- Low jitter option
- Extended operating temperature range
- Pulse energy modulation up to IP68 Package
- 28 V DC Input for airborne installation
- Circular polarization
- Remote control cbox and software interface
- AC-DC power supply

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